

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516320012-1

GORSHKOV, V.S., kand.tekhn.nauk; KHMELEVSKAYA, T.A., inzh.

Study of the hydration of the minerals in slags. Sbor.
trud. VNIINSM no.2:75-129 '60. (MIRA 15:1)
(Hydration)
(Slag)

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CIA-RDP86-00513R000516320012-1"

GORSHKOV, V.S.; KHMELEVSKAYA, T.A.

Formation of sulfide compounds in types of slag. Sbor. trud.
VNIINSM no.4:22-27 '61. (MIRA 15:2)
(Sulfides)
(Slag)

GORSHKOV, V.S.; BUHENIN, I.G.; KHMELEVSKAYA, T.A.

Interaction of calcium chloride and gypsum with clinker
minerals and cements. Trudy MKHTI no.36:111-115 '61. (MIRA 15:7)
(Cement—Testing) (Lime, Chloride of) (Gypsum)

BUT, T.S.; VINOGRADOV, B.N.; GAVRILOVA, T.I.; GORSHKOV, V.S.; DOLGOPOLOV,
N.N.; MYAKKOVA, M.A.; SIROTKINA, N.L.; FADEYEVA, V.S., doktor
tekhn. nauk, red.; GURVICH, E.A., red. izd-va; GOL'BERG, T.M.,
tekhn. red.

[Modern methods of studying building materials] Sovremennye meto-
dy issledovaniia stroitel'nykh materialov [By] T.S. But i dr. Pod
obshchei red. V.S. Fadeevoi. Moskva, Gosstroizdat, 1962. 238 p.
(MIRA 16:1)

(Building materials)

GORSHKOV, V.S.; SVETLOV, V.S.; KRYZHANOVSKIY, V.A., red. izd-va;
IYERUSALIMSKAYA, Ye., tekhn. red.

[Simultaneous recovery of rare metal minerals in using the
hydromechanical method to work loose rocks] Poputnoe poluchenie
redkometal'nykh mineralov pri razrabotke rykhlykh gornykh porod
sposobom gidromekhanizatsii. Moskva, Gosgeoltekhnizdat, 1962. 57 p.
(MIRA 15:12)
(Hydraulic mining—By-products) (Metals, Rare and minor)

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CIA-RDP86-00513R000516320012-1

BUDNIKOV, P.P., akademik; GORSHKOV, V.S., kand. tekhn. nauk

Using aluminothermic slag. Stroi. mat. 11 no.4:30-31 Ap '65.

(MIRA 18:6)

1. Akademiya nauk UkrSSR (for Budnikov),

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CIA-RDP86-00513R000516320012-1"

GORELOV, I.Z.; GORSHKOV, V.S.

Medullary hematopoiesis in chronic myeloid leukemia treated with
myelosan (myleran). Kaz.med.zhur. no.4:18-20 Jl-Ag '62.
(MIRA 15:8)
1. I terapevticheskaya klinika (zav. - prof. G.N.Udintsev) ordena
Lenina Instituta usovershenstvovaniya vrachey imeni Kirova, Lenin-
grad.
(METHANESULFONIC ACID) (LEUKEMIA) (HEMOPOIETIC SYSTEM)

BUDNIKOV, P.P.; GORSHKOV, V.S.

Phase conversions taking place during the production of aglo-porites. Stroi. mat. 8 no.2:36-39 F '62. (MIRA 15:3)
(Concrete)

GORSHKOV, V.S., kand. tekhn. nauk; KHMELIEVSKAYA, T.A., inzh.

Effect of the mineralochemical composition of blast and open-hearth dump slags on their binding properties. Sbor. trud.
VNIINSM no.8:17-35 '63. (MIRA 17:9)

BUNIKOV, P.P.; GORSHKOV, V.S.

Increasing the hydraulic activity of blast-furnace slag by
the directed crystallization method. Stroi. mat. 10 no.9:
22-23 S '64 (MIRA 18:2)

POPOV, K.N., inzh.; GORSHKOV, V.S., kand. tekhn. nauk

Chemical stability of crystallized glass materials. Stekliker.
22 no.10:22-26 0 '65. (MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut novykh
stroitel'nykh materialov.

Gorshkov, V.V.

U Coprecipitation of cesium with potassium picrate. I. M. Kurnerman, P. A. Ganichev, and V. V. Gorshkov. Zhur. Anal. Khim. 16, 827-30 (1955). Copper was studied with radioactive Cs¹³⁷. In a series of expts., ratios const. 2000 γ K and 20 γ Cs were pptd. with an alc. soln. of picric acid. As wash soln. 1cc-HgO₂ was used. At 0° the soln. of the ppt. was very small; above 25° no ppt. formed. Subsequent expts. were carried out at 16°. The time of keeping the ppt. under the mother liquor had no significant effect. Protective colloids (gelatin, agar-agar, and starch) reduced copprn, but by not more than 1%. The addn. of more Cs after ppt. did not affect adsorption, thus indicating iso-morphic copprn. Varying the amt. of Cs from 1:80 to 1:400 had no effect on copprn. Varying the amt. of K did change materially the amt. of Cs/mg. of ppt. M. Hossch

(2)

SUKHANOV, V.V.; PETROCHENKOV, T.A.; SMIRNOV, G.N.; KONYAKHIN, Yu.Ya., inzh.;
MOROZOVA, T.A.; GORSHKOV, V.V.; YEROSHENKO, N.A.; SHCHERBINA, N.P.

Letters to the editor. Put' i put.khoz. 4 no.11:44-45 N '60.
(MIRA 13:12)

1. Dorozhnyy master, st. Syamba, Severnoy dorogi (for Sukhanov).
2. Starshiy dorozhnyy master, st. Moskva-Kurskaya (for Petrochenkov).
3. Dorozhnyy master 5-go okoločka, st. Khovrino, Oktyabr'skoy dorogi
(for Smirnov). 4. Putevaya rabochaya st. Peshetnikovo, Oktyabr'skoy
dorogi (for Morozova). 5. Starshiy putevoy rabochiy, st. Reshetnikovo,
Oktyabr'skoy dorogi (for Gorshkov). 6. Predsedatel' komissii
partiynogo kontorlya po zhilishchno-bytovym voprosam, st. Aksakovo,
Kuybyshevskoy dorogi (for Yeroshenko). 7. Inzhener distantsii,
st. Nadezhdinsk-Sortirovochnyy, Sverdlovskoy dorogi (for Shcherbina).

(Railroads)

PAKHOMOVA, K.S.; VOLKOVA, L.P.; GORSHKOV, V.V.

Determination of microgram amounts of nickel in natural substances
after its preliminary concentration. Zhur.anal.khim. 19 no.9:1085-
1088 '64. (MIRA 17:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo
syr'ya, Moskva.

KUZNETSOV, V.I.; GORSHKOV, V.V.

Organic coprecipitating agents. Part 17: Coprecipitation
of uranium as 8-hydroxyquinolinate with indifferent
coprecipitating agents. Radiokhimiia 5 no.1:93-97 '63.
(MIRA 16:2)

(Uranium compounds)
(Quinolinol)
(Precipitation (Chemistry))

KUZNETSOV, V.I.; GORSHKOV, V.V.; AKIMOVA, T.G.; NIKOL'SKAYA, I.V.

Organic coprecipitants. Report No.21: Use of indifferent coprecipitants
in the determination of uranium in natural waters. Trudy Kom. anal. khim.
15:296-305 '65. (MIRA 18:7)

KUTSEL', V.N., gorny inzhener; GORSHKOV, V.Ye., gornyi inzhener

Drift mining with the use of new equipment. Gor. zhur. no.5:
17-22 My '55. (MIRA 8:7)
(Mining machinery)

GORSHKOV, V. Ye.; KUTSEL', V. N.; MADIOW, M. F.; TELITSYN, N. I.

The PL-2 ore-loading machine. Gor. zhur. no. 9: 32-34 S '55.
(MERA 8:8)

(Mine haulage) (Riga--Machinery industry)

MARINSKIY, Isaak Emmanuilovich; GORSHKOV, Viktor Yevgrafovich;
VOZDVIZHENSKIY, B.I., professor, doktor tekhnicheskikh nauk,
retsensent; PARTSEVSKIY, V.N., redaktor izdatel'stva; BERLOW,
A.P., tekhnicheskiy redaktor

[Drilling bore holes with roller bits] Burenie vzryvnykh skvashin
sharoshechnymi dolotami. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry
po chernoi i tsvetnoi metallurgii, 1957. 116 p. (MIRA 10:6)
(Boring machinery)

Gorshkov, V. Z.

AUTHOR: Gorshkov, V. Z.

TITLE: The Problem of the Winter Fronto-and Cyclogenesis in the Northern Part
of Okhotsk Sea (K voprosu o zimnem fronto- i tsiklogeneze v severnoy
chasti Okhotskogo morya)

PERIODICAL: Meteorologiya i Gidrologiya, 1957, Nr 1, pp 36-37 (U.S.S.R.)

ABSTRACT: Referring to the S. P. Khromov report (3) about the possibility of forma-
tion of a winter arctic front along the northern shore of the Okhotsk Sea,
the author presents a review of the general circulation and orographic
conditions of the winter fronto- and cyclogenesis in the region under
discussion. Data are presented on the near-ground air currents and
temperature field prevailing over the Okhotsk shore line gathered from
climatic charts for January or any synoptic charts of winter months. It
is shown that, at a latitudinal temperature distribution over the shore
region and at an easterly direction of currents, a much stronger air
current is situated in the warm air mass oriented over the sea toward
the south of the shore line. The existence of an orographic front is
indicated by the presence along the northern Okhotsk shore line of a
narrow and high mountain chain. This is considered as a condition for
the accumulation of cooled air over the Indigirka and Kolyma basins during
the winter period because, with such a mountainous obstacle, the free exit

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The Problem of the Winter Fronto-and Cyclogenesis in the
Northern Part of Okhotsk Sea

of continental air masses from this region to the shore line appears to be quite difficult. It is evident that the orographic conditions and the distribution of air currents over the northern Okhotsk shore line are not favorable for the development of winter frontal phenomena. It is the opinion of the author that frontal zones and cyclogenesis phenomena connected with them do not exist along the northern shores of the Okhotsk Sea. In the absence of reasons for fronto- and cyclogenesis, the winter circulation of air masses over the northern part of the Okhotsk Sea is not a frontal circulation but a rather a stable transfer of continental air from the high pressure region over the continent into the zone of depression over the Okhotsk Sea. The basic circulation process of the winter season over the northern Okhotsk Sea is the winter continental monsoon.

There are 4 Slavic references.

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Card 2/2

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CIA-RDP86-00513R000516320012-1

GORSHKOV, V.Ye., kand. geogr. nauk; PIVKIN, V.M., arkhitektor

Providing for sun exposure and for shading in the building of cities
in Western Siberia. Trudy Zap.-Sib. fil. ASIA no.7:42-57 '62.
(MIRA 18:2)

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CIA-RDP86-00513R000516320012-1"

GORSHKOV, Ye.

New equipment. Sov. torg. 36 no.5:46-47 My '63. (MIRA 16:5)
(Moscow—Self-service stores—Equipment and supplies)

GORSHKOV , Ye., inzhener-mayor

Introduce new advances more boldly. Voen. vest. 41 no.11:113-115
N '61. (MIRA 16:11)

GORSHKOV, YE. M.

Gorshkov, Ye. M., "Voltage Regulation with Synchronous Generators with Self-excitation," *Mekhanizatsiya i elektrifikatsiya sotsialisticheskogo sel'skokhozyaystva* [Mechanization and Electrification of Socialist Agriculture], 1953, Pages 63-66, 4 figures.

No. 3

SERGOVANTSEV, V.T., kand.tekhn.nauk; YURASOV, V.V., kand.tekhn.nauk;
ALUKER, Sh.M., kand.tekhn.nauk; ANDRIANOV, V.N., doktor tekhn.
nauk; ASTAF'YEV, N.N., kand.tekhn.nauk; BUDZKO, I.A., akademik;
BYSTRITSKIY, D.N., kand.tekhn.nauk; VEYALIS, B.S., kand.tekhn.
nauk; GIRSHBERG, V.V., inzh.; GORSHKOV, Ye.M., inzh.; GRI-
CHEVSKIY, N.Ya., inzh.; ZAKHARIN, A.G., doktor tekhn.nauk;
ZLATKOVSKIY, A.P., kand.tekhn.nauk; IOSIPYAN, S.G., inzh.;
ITSKOVICH, A.M., dotsent; KAUFMAN, B.M., inzh.; KVITKO, M.N.,
inzh.; KORSHUNOV, A.P., inzh.; LEVIN, M.S., kand.tekhn.nauk;
LOBANOV, V.N., dotsent; LITVINENKO, A.F., inzh.; MERKELOV,
G.P., inzh.; PIRKHAVKA, P.Ya., kand.tekhn.nauk; PRONNIKOVA,
M.I., kand.tekhn.nauk; SMIRNOV, B.V., kand.tekhn.nauk; FAYTU-
SHENKO, S.G., inzh.; KHODNEV, V.V., inzh.; SHCHATS, Ye.L.,
kand.tekhn.nauk; EBIN, L.Ye., doktor tekhn.nauk; EMTIN, I.A.,
kand.tekhn.nauk; SILIN, V.S., red.; SMELYANSKIY, V.A., red.;
BALLOD, A.I., tekhn.red.; SMIRNOVA, Ye.A., tekhn.red.

[Handbook pertaining to the production and distribution of
electricity in agriculture] Spravochnik po proizvodstvu i
raspredeleniiu elektricheskoi energii v sel'skom khozisistve.
Moskva, Gos.isd-vo sel'khoz.lit-ry, 1959. 900 p. (MIRA 13:2)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni
V.I.Lenina (for Budzko).
(Rural electrification)

BYSTRITSKIY, Dorian Naumovich; GORSHKOV, Ye.M.; ZUYEV, V.A.; SMELYANSKIY,
V.A., spets.red.; SILIN, V.S., red.; BALLOD, A.I., tekhn.red.

[Mobile electric power plants in agriculture] Peredvizhnye
elektricheskie stantsii v sel'skom khoziaistve. Moskva, Gos.
izd-vo sel'khoz.lit-ry, 1960. 251 p. (MIRA 13:5)
(Electric power plants)

GORSHKOV, Yu., inzhener-kapitan 2-go ranga

Cleaniness and longevity of ship boilers. Starsh.-serzh.
no.5:29 My '63. (MIRA 16:10)

AUTHORS: Tayts, N. Yu., Gorshkov, Yu. F. SOV/163-58-3-21/49

TITLE: The Heating of a Massive Cylinder under Boundary Conditions of the Second Type (Nagrev pologo tsilindra pri granichnykh usloviyakh vtorogo roda)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Metallurgiya, 1958, Nr 3, pp 120 - 128 (USSR)

ABSTRACT: In the present paper calculations of the heating of full cylinders on conditions of the second type are given for constant but unequal heat currents to the surface and into the interior of the cylinder. A general equation (6) $F_0 = \frac{q\pi}{b^2}$ was devised for the determination of the

heat conductivity in full cylinders. This equation is also used for the equation of the heat conductivity in the following cases: 1) Heat currents to the external surface and the internal surface are the same: $q' = q'' = q_c$ or $\omega = 1$.

2) Unilateral heating of the external surface $q''=0, \omega=0$.
3) On the conditions $\omega = 0, b = 0$. With cylinders of infinite length, a diameter of 600 mm and a wall thickness

Card 1/2

The Heating of a Massive Cylinder under Boundary
Conditions of the Second Type

SOV/163-58-3-21/49

of 100 mm the distribution of the temperature through
the section of the cylinder was determined. The results
are given in table 1. From the equation (9)

$$\rho = b \sqrt{\frac{K(1 + Kw)}{K + w}}$$

may be seen that the length of the radius of the section
at the lowest temperature increases with the increase of K
and ω . The temperature minimum in the cylinder wall is
determined by the equation (18). The dependence of the
function $f(K, \omega, \frac{r}{b})$ on K and $\frac{r}{b}$ at $\omega = 1$ and $\omega = 0$ is

given in the diagrams 2,3,4 and 5. There are 5 figures and
4 references, which are Soviet.

ASSOCIATION: Dnepropetrovskiy metallurgicheskiy institut (Dnepropetrovsk
Metallurgical Institute)
SUBMITTED: December 24, 1957

Card 2/2

BORSHKOV, Yu. F. Cand Tech Sci — (diss) "Investigation of Heat Processes During the Thermal Treatment of Paper Rolls in Domed Furnaces," Moscow, 1960, 20 pp, 150 copies (Moscow Institute of Steel im I. V. Stalin) (KL, 47/60, 102)

GORSHKOV, Yu.F.

Radiant heat exchange in metallurgical furnaces with a nonuniform temperature field. Izv.vys.ucheb.zav.; chern.met. 8 no.6:163-169 '65. (MIRA 18:8)

1. Dnepropetrovskiy metallurgicheskiy institut.

USSR / Human and Animal Physiology. The Effect of
Physical Factors. Ionizing Irradiations.

T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102353.

Author : Gorshkov, Yu. I.; Kurilov, N. V.

Inst : ~~Naukogorod~~.**

Title : On Some Peculiarities of the Biologic Effect of
Roentgen Rays.

Orig Pub: Veterinariya, 1958, No 1, 82-86.

Abstract: The effect of Ringer's solution which was irradiated with a dose of 300 r on the isolated heart of the frog increased the amplitude of contractions. The same solution irradiated 50 hours before the experiment did not induce similar effect. Ringer's solution, irradiated with 500 r, induced a sharp inhibition of cardiac contractions up to

*** MOSKOVSKAYA VETERINARNAЯ AKADEMICHESKAYA GORODSKAYA NAUCHNO-
Card 1/2 135 ELEO VATEL'SKY INST. KROLIKOVODSTVA I PUSHNOGO
ZVEROVODSTVA (-125 For Kurilov)

Copy

Gorshkov, Yu. I., Cand Bio Sci -- "Effect of biomycin ^{upon}
the growth of ~~the younger~~ generation and function of ^{the} di-
gestive organs in rabbits and dogs." Mos, 1961. (All-Union
Inst of Experim ^{ental} Vet Sci. All-Union Order of Lenin Acad
Agri Sci im V. i. Lenin) (KL, 8-61, 236)

-141-
-240-

KORZHEVENKO, G.N., kand. veter. nauk; KOLYAKOV, V.L., kand. veter. nauk;
GORSHKOV, Yu.I., kand. biolog. nauk

Hydroperoxide reaction in the determination of phosphorus organic
compounds in water and feeds. Veterinarija 42 no.5:76-77 My '65.
(MFA 18:6)

GORSHKOVA, R.A.

NEKIPLOV, N.V.; GORSHKOVA, A.A.

Specific features in the nutrition of tarbagans. Izv. Irk.gos.
protivochum. inst. 10:116-121 '52. (MIRA 10:12)
(MARMOTS) (ANIMALS, FOOD HABITS OF)

1. GORSHKOVA, A. A. SEMENOVA-TYAN-SHANSKAYA, A. M.
2. USSR (600)
4. Plants - Migration
7. Influence of pasturing on the northern migration of plants of the southern steppe and semidesert regions. Bot. zhur. 37 no. 5, 1952
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

GORSHKOVA, A.A.

Contributions to the study of steppe pastures of Voroshilovgrad
Province in connection with their improvement. Trudy Bot.inst.
Ser.3 no.9:442-544 '54. (MIRA 8:4)
(Voroshilovgrad Province--Pastures and meadows)

GORSHKOVA, A.A.; BURKOVA, V.M.

Transpiration intensity in steppe plants of the Buryat-Mongol
A.S.S.R. Det. zhur. 40 no. 5:709-715 S-O '55. (MLRA 9:4)
(Buryat-Mongol A.S.S.R.--Plants--Transpiration)

GORSHKOVA, A.A.

Synthomycin therapy for dysentery in young children. Pediatriniia 39
no.3:88 My-Je '56. (MLEA 9:9)

1. Iz kafedry pediatrii Bashkirskogo gosudarstvennogo meditsinskogo
instituta i Detskoy klinicheskoy bol'nitsy v Ufe.
(DYSENTERY) (CHLOROMYCETIN)

COUNTRY :USSR
CATEGORY :Meadow Cultivation

L

ABS. JOUR. : RZBiol., No. 19, 1958, No. 86910

AUTHOR : Gorshkova, A.A.
INST. : Eastern Affiliate, Acad. Sciences USSR
TITLE : Alternation in the Natural Pasture Plant
Associations on Balaganskaya Forest-Steppe

ORIG. PUB. : Izv. vost. fil. AN SSSR, 1957, No. 2, 109-114

ABSTRACT : Three stages in the alternation of the sheep fescue steppe are differentiated in the region of the Buryat-Mongolian Republic. In the absence of sharp changes in the vegetation from the second stage, gray veronica and hard sedge (*Carex gracilis* /?/) grow profusely. The alternation of meadow fescue with red clover is also expressed by a reduction in the abundance of valuable forage grasses. Inedible species spread out:

CARD: 1/2

Country :
CATEGORY :

ABS. JOUR. : RZBiol., No. 19, 1958, No. 86910

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : silverweed cinquefoil (*Potentilla anserina*), sweet plantain, *Plantago minuta*, *Circium acaule*, forming tussocks. The determinations of soil moisture have shown increasing drying out with intensified alternation of the pasture.--N.G. Buyakovich

CARD: 2/2

GORSHKOVA, A.A.; RADCHENKO, O.P.

Wintering of some perennials in the Irkutsk-Balagansk forest
steppe. Bot.shur. 44 no.11:1660-1664 N '59.
(MIRA 13:4)

1. Vostochno-Sibirskiy filial Akademii nauk SSSR, Irkutsk.
(Irkutsk Province--Plants--Frost resistance)

SOCHAVA, V.B.; LIPATOVA, V.V.; GORSHKOVA, A.A.

Evaluating the full productivity of the aerial part of the grass
cover. Bot.shur. 47 no.4:473-484 Ap '62. (MIRA 15:8)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.
(Siberia, Eastern--Pasture research)

GORSHKOVA, A.A.

Production of herbage by plants and phytocoenoses during one
season. Trudy Vost.-Sib.biol.inst.SO AN SSSR no.1:100-113 '62.
(MIRA 16:1)

(Irkutsk (Province--Pasture research)

FROLOVA, M.V.; GORSHKOVA, A.A.

In memory of Nina Afanas'evna Epova (Jan. 20, 1903-Aug. 30, 1900).
Bot. zhur. 47 no.6:893-896 Je '62. (MIRA 15:7)

1. Vostochno-Sibirskiy biologicheskiy institut, Irkutsk.
(Epova, Nina Afanas'evna, 1903-1960)

GORSHKOVA, A.A.; BURKOVA, V.M.

Intensity of transpiration of the herbaceous plants of central
Siberia. Trudy Vost.-Sib. fil. AN SSSR. no.35:66-85 '62.
(MIRA 17:6)

GORSHKOVA, A.A.

Relationship between the duration of growth and structure in the
perennial steppe plants of Transbaikalia. Bot. zhur. 48 no.7:979-
988 Jl '63.
(MIRA 16:9)

1. Vostochno-Sibirskiy biologicheskiy institut Sibirskogo otde-
leniya AN SSSR.
(Transbaikalia—Steppe flora)

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CIA-RDP86-00513R000516320012-1

ZOBKOV, V.V.; GORSHKOVA, A.I.

Ultrasonic study of the soft tissues and the liver. Trudy
(MIRA 18:2)
VNTIMIO no.3:74-78 '63

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CIA-RDP86-00513R000516320012-1"

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CIA-RDP86-00513R000516320012-1

GAYSINSKIY, B.Ye.; ZOBKOV, V.V.; GORSHKOVA, A.I.

Diagnostic possibilities of the UZD-4 apparatus in calculous
cholecystitis. Nov. med. tekhn. no.2:24-29 '64.
(MIRA 18:11)

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CIA-RDP86-00513R000516320012-1"

GORSHKOVA, A. M.

Gorshkova, A. M.

"On the clinical aspects of helioropic toxicosis (hemorrhagic syndrome, some nosological forms, and delayed results)." Tashkent State Medical Inst imeni V. M. Molotov. Tashkent, 1956. (Dissertation for the Degree of Candidate in Medical Sciences).

Knizhnaya letopis'
No. 21, 1956. Moscow,

GORSHKOVA, A.N., kand.med.nauk (Tashkent)

Hemorrhagic diathesis in heliotropic toxicosis. Klin.med. 36
no.6:27-29 Je'58 (MIRA 11:?)

1. Iz kafedry gospital'noy terapii (zav. chlen-korrespondent AMN
SSSR prof. Z.I. Umidova) Tashkentskogo gosudarstvennogo meditsinskogo
instituta.

(HEMORRHAGIC DIATHESIS, etiol. & pathogen.
heliotropic toxicosis (Rus))

(PLANTS, pois.
hemorrhagic diathesis in heliotrope pois. (Rus))

(SUNLIGHT, inj.eff.
heliotropic toxicosis causing hemorrh. diathesis (Rus))

GORSHKOVA, A.M., kand.med.nauk

Clinical aspects of late results of *Heliotropium* toxicosis.
Med.zhur.Uzb. no.12:64-67 D '58. (MIRA 13:7)

1. Iz kafedry gospital'noy terapii (zav. - prof. Z.I. Umidova)
Tashkentskogo gosudarstvennogo meditsinskogo instituta.
(ALKALOIDS--TOXICOLOGY)

GORSHKOVA, A.M., kand.med.nauk

Amount of prothrombin in the blood and the effect of vitamin K on its level in heliotropic toxicosis. Med. zhur. Uzb. no.3:15-18 Mr '60.
(MIHA 15:2)

1. Iz kafedry gospital'noy terapii (zav. - prof. Z.I.Umidova) Tashkentskogo gosudarstvennogo meditsinskogo instituta.
(TOXICOLOGY) (VITAMINS) (BLOOD EXAMINATION)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516320012-1

MEL', P.K.; GORSHKOVA, A.M.

Cellulose of bog plants. Trudy IGI 21:144-158 '63.
(MIRA 16:11)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516320012-1"

KURTOVA, L.V.; PLYUSHCHEV, V.Ye.; GORSHKOVA, G.K.

System Li^+ , Na^+ || Cl^- , CO_3^{2-} - H_2O at 25° . Zhur. neorg. khim. 9
no.10:2458-2462 0 '64. (MIRA 17:12)

1. Moskovskiy institut khimicheskoy tekhnologii im. M.V. Lomonosova.

GORSHKOVA, G.N.; CHUBAROVA, M.A.; UKHIN, L.Yu.; SLADKOV, A.M.;
KASATOKHIN, V.I.

Infrared and ultraviolet absorption spectra of substituted
diphenylacetylenes. Zhur. fiz. khim. 38 no.10:2485-2487
0 '64.
(MIRA 18:2)

1. Institut goryuchikh iskopayemykh AN SSSR.

GORSHKOVA, G.N.; CHUBAROVA, M.A.; SLADKOV, A.M.; UKHIN, L.Yu.; KASATOCHKIN, V.I.

Infrared and ultraviolet absorption spectra of substituted ethynylbenzenes and diethynylbenzenes. Zhur. fiz. khim. 38 no 10-2513-2516 0 '64.

Infrared and ultraviolet absorption spectra of substituted diphenylbutadiynes. Ibid.:2516-2520 (MIRA 18:2)

1. Institut goryuchikh iskopayemykh Instituta elementoorganicheskikh soyedineniy AN SSSR.

SLADKOV, A.M.; UKHIN, L.Yu.; GORSHKOVA, G.N.; CHUBAROVA, M.A.; MAKHSUMOV, A.G.;
KASATOCHKIN, V.I.

Synthesis and spectra of iodo and bromoacetylene derivatives.
Zhur.org.khim. 1 no.3:415-421 Mr '65. (MIRA 18:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ACC NR. AP5028581

SOURCE CODE: UR/0076/65/039/011/2695/2700

AUTHOR: Gorshkova, G. N.; Chubarova, M. A.; Sladkov, A. M.; Luneva, L. K.; Kasatochkin, V. I.

ORG: Moscow Institute of Mineral Fuels (Moskovskiy institut goryuchikh iskopayemykh)

TITLE: Spectra of elemental-organic monomers and polymers containing double and triple bonds 7.14.55

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 11, 1965, 2695-2700

TOPIC TAGS: IR spectrum, UV spectrum, polymer, organosilicon compound, organotin compound, organogermanium compound, organomercury compound, organic phosphorus compound

ABSTRACT: IR and UV spectra were studied for monomeric silicon, germanium, mercury and phosphorus organic compounds and the IR spectra of related polymeric silicon, germanium and tin organic compounds with C=C and C≡C bonds. The IR spectra were taken using an IKS-14 spectrophotometer in the 4000-400 cm⁻¹ region on specimens in the form of pellets with KBr. The spectra of the three monomers containing phenylethyanyl groups displayed C≡C valence vibration band. The position and the in-

UDC: 543.42+547

Card 1/2

L 13032-66

ACC NR: AP5028581

3

tensity of this band was somewhat dependent on the element: dimethyl-di-(phenylethynyl)silane, at 2159 cm^{-1} was very intense; ethyltri(phenyl-ethynyl)germanium, at 2160 cm^{-1} was less intense and di(phenylethynyl)mercury, at 2139 cm^{-1} was of medium intensity. In diphenyldiethynyl silane, the C≡C bond occurs in the $2030\text{-}2040\text{ cm}^{-1}$ region. This shows the effect of the benzene substituent on the position of the C≡C bond. In the former three compounds the shift of the band toward the higher frequency region is caused by the shift of electrons from the nucleus to the C≡ bond and thus strengthening of the bond. Ultraviolet spectra were measured on an SF-4 instrument using cyclohexane as the solvent. An attempt is made to find the relationship between the position and the intensity of the principal maxima on the molecular structure and the nature of the element. Orig. art. has: 3 figures, 1 table.

SUB CODE: 07,20/ SUBM DATE: 22Jul62/ ORIG REF: 002/ OTH REF: 000

DR
Card 2/2

GORSHKOVA, G.N.; CHUBAROVA, M.A.; SLADKOV, A.M.; LUNEVA, L.K.; KASATOCHKIN, V.I.

Spectra of organometallic monomers and polymers with multiple bonds. Zhur.fiz.khim. 39 no.11:2695-2700 N '65.

1. Moskovskiy institut goryuchikh iskopayemykh.

(MIRA 18:12)

ROZEN, A.M.; VASIL'YEV, V.A.; GORSHKOVA, G.P.; BEZZUBOVA, A.I.

Mechanism of the process in packed columns with pulsation. Dokl.
AN SSSR 136 no.2:401-404 '61. (MIRA 14:1)

1. Predstavлено академиком S.I. Vol'fkovichem.
(Packed towers)

ROZEN, A.M.; VASIL'YEV, V.A.; BEZZUBOVA, A.I. GORSHKOVA, G.P.

Certain regularities of hydraulics and mass transfer in packed pulse columns. Ekstr., teor., prim., app. no. 2:320-338 '62.

(Extraction (Chemistry)) (Packed towers) (MIRA 15:9)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516320012-1

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516320012-1"

L 22531-65

MISSION NR: AP4047947

ASSOCIATION: Institut vy*skomolekulyarny*kh soedinenii Akademii nauk SSSR
Moskovskii filial

SUB CODE: OC, GC

NO REF SOV: 005

OTHER: 000

Card 2 / 2

KOTON, M.M.; GORSHKOVA, I.A.; DOKUKINA, A.F.; SMIRNOVA, Z.A.

Copolymers of α,β,β -halo-substituted p-divinylbenzene with styrene. Vysokom. soed. 8 no. 1:120-124 Ja'66 (MIRA 19:1)

1. Leningradskiy politekhnicheskiy institut imeni Kalinina i Institut vysokomolekulyarnykh soyedineniy AN SSSR. Submitted February 25, 1965.

L 31155-66 EWT(m)/EWP(j)/T/ETC(m)-6
ACC NR: AP6003423

WW/RM SOURCE CODE: UR/0190/66/008/001/0120/0124
88

AUTHORS: Koton, M. M.; Gorshkova, I. A.; Dokukina, A. F.; Smirnova, Z. A. *85*
8

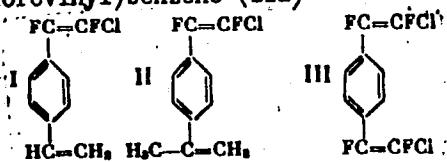
ORG: Leningrad Polytechnic Institute im. M. I. Kalinin (Leningradskiy
politekhnicheskiy institut); Institute of High-Molecular Polymers, AN SSSR (Institut
vysokomolekulyarnykh soyedineniy AN SSSR)

TITLE: *Copolymers of α , β , β -halogen-substituted p-divinylbenzenes with styrene* *1*

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 1, 1966, 120-124

TOPIC TAGS: copolymerization, styrene, free radical, graft copolymer, thermal
stability, IR spectrum

ABSTRACT: Properties of copolymers of styrene with p-vinyl- α , β -difluoro- β -
chlorostyrene (I), p-isopropenyl- α , β -difluoro- β -chlorostyrene (II), and p-bis-
(α , β -difluoro- β -chlorovinyl)benzene (III)



Card 1/2

UDC: 66.095.26+678.746

L 31155-66
ACC NR: AP6003423

at various compositions were investigated. Graft copolymers of styrene with styrene copolymers of I, II, and III were produced. Investigated copolymers were prepared by free radical polymerization in bulk, in emulsion, and in solution, as described by M. M. Koton, K. A. Kocheshkov, I. A. Gorshkova, A. F. Dokukina, and Ye. M. Panov (Kokl. AN SSSR, 158, 5, 1120, 1964). Solubility, thermal stability, viscosity limits, and density of copolymers were determined, and their IR spectra are described. Copolymers obtained in bulk process were insoluble and thermally unstable, those prepared in solution were soluble and more thermally stable (100°C), while the emulsion process yielded insoluble and thermally very stable products. The authors express their gratitude to K. A. Kocheshkov and Ye. V. Kuvshinsky for valuable comments during evaluation of this work. Orig. art. has: 1 table, 2 figures, and 3 structures.

SUB CODE: 07/ SUBM DATE: 25Feb65/ ORIG REF: 003

卷之三十一

an irregular composition with some regularity. Small quantities of polymer with irregular copolymer of 1, 4-, and 1,3-phenylene groups. Crosslinked polyphenyl ether prepared by free radical polymerization in bulk, in solution, and in emulsion, as described

L 18451-66 EWT(m)/EWP(w)/ETC(m)-6 IJP(c) WM/EM
ACC NR: AP6002561 SOURCE CODE: UR/0286/65/000/023/0057/0057

AUTHORS: Gusarov, A. A.; Gorshkova, I. N.; Mayorov, Ye. G.

47
B

ORG: none

TITLE: Device for signaling the unbalance of rotating bodies. Class 42, No. 176712 (announced by Scientific Research Institute of Chemical Machine Construction (Nauchno-issledovatel'skiy institut khimicheskogo mashinostroyeniya))

SOURCE: Byulleten' izobreteniya i tovarnykh znakov, no. 23, 1965, 57

TOPIC TAGS: turbine rotor, compressor rotor, laboratory instrument

ABSTRACT: This Author Certificate presents a device for signaling the unbalance of rotating bodies, e.g., a rotor, which consists of a detector placed on the body, power units connected to the detector, a control relay, and signal lamps. To determine the direction of deflection of the rotor under the action of nonequilibrium centrifugal forces, the detector is in the form of an annular cavity partially filled with a conducting liquid (see Fig. 1). A number of contacts are mounted

Card 1/2

UDC: 62-251.783.2

L 18451-66

ACC NR: AP6002561

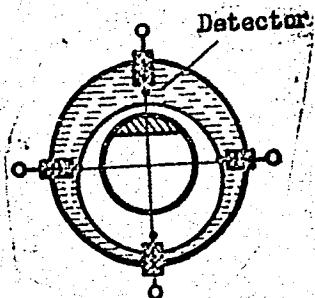


Fig. 1

radially in the cavity at an angle to each other. Orig. art. has: 1 diagram.

SUB CODE: 13/ SUBM DATE: 19Feb65

Card 2/2 mgs

GORSHKOVA, K. N.

"Primary Lung Cancer in Dogs".
Tr Chkalovskovo S-kh In-ta, No. 6, pp 215-220, 1953.

In the dissection of a 13-year old dog, it was discovered that the lungs of the animal were one and one-half times their normal size and contained numerous small whitish-yellowish tumors, up to the size of kidney beans, merged with each other. Microscopic investigations showed dimorphous cancer — a combination of adenocarcinoma and a noncornifying flat-called cancer, apparently of bronchogenic origin, (RZhBiol, No. 10, 1955)

SO: Sum No 884, 9 Apr 1956

GORSHKOVA, K. N.

Gorshkova, K. N.

"Morphological Changes in Sheep Brucellosis." Min Higher Education USSR, Saratov Zootechnical-Veterinary Inst. Saratov, 1955 (Dissertation for the degree of Candidate in Veterinary Sciences)

SO: Knizhnaya letopis' No. 27, 2 July 1955

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516320012-1

GORSHKOVA, K.N. (Docent) and GLADYSHEVA, P.M. (Prosecutor, Orenburg Agricultural Institute).

"A case of cattle leukosis..."
Veterinariya, vol. 39, no. 3, March 1962 pp. 40

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516320012-1"

GORSHKOVA, K.N., dotsent

Changes in ram testicles during necrospermia. Veterinaria 41
no.8:85-86 Ag '64. (MIRA 18:4)

1. Orenburgskiy sel'skokhozyaystvennyy institut.

SOVETNIKOV, V.M.; GORENKOVA, K.N.

Vermifugal treatment of chickens. Veterinaria L1 no.11
50-54 N '64. (MERA L8.11)

I. Orenburgskiy sel'skokhozyaystvennyy institut.

RONOV, A.B., GORSHKOVA, K.V., KORZINA, G.A., RATYNSKIY, V.M.

Iodine in Devonian sedimentary rock of the Tuimazy oil-bearing
region. Dokl. AN SSSR 105 no.2:312-314 '55. (MLRA 9:3)

1. Institut geokhimii i analiticheskoy khimii imeni V.I. Vernad-
skogo Akademii nauk SSSR. Predstavлено академиком А.П. Vinogra-
dovym.

(Tuimazy--Iodine)

Country : USSR

Category: Virology. Bacterial Viruses (Phages)

E

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103486

Author : Ivanova, N. A.; Gorshkova, L. I.

Inst :

Title : Study of Methods of Improving the Quality of
Dysentery Bacteriophage. Second Report

Orig Pub: Sb. Bakteriofagiya. Tbilisi, Gruzmedgiz, 1957,
155-158

Abstract: Experiments on the selection of optimum conditions for
the preparation of dysentery phages have shown that
the minimum period of multiplication which assures the
obtaining of high titers is different for different
species of bacteria. For Flexner type "c" and Gri-
gor'yev-Shiga cultures it is equal to three to five

Card : 1/2

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516320012-1

ZUSMAN, I.L.; BRODOV, A.A.; GORSHKOVA, L.P.

Use of manganese in the U.S.S.R. Sbor. trud. TSNIICHM no.45:
101-114 '65. (MIRA 18:9)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000516320012-1"

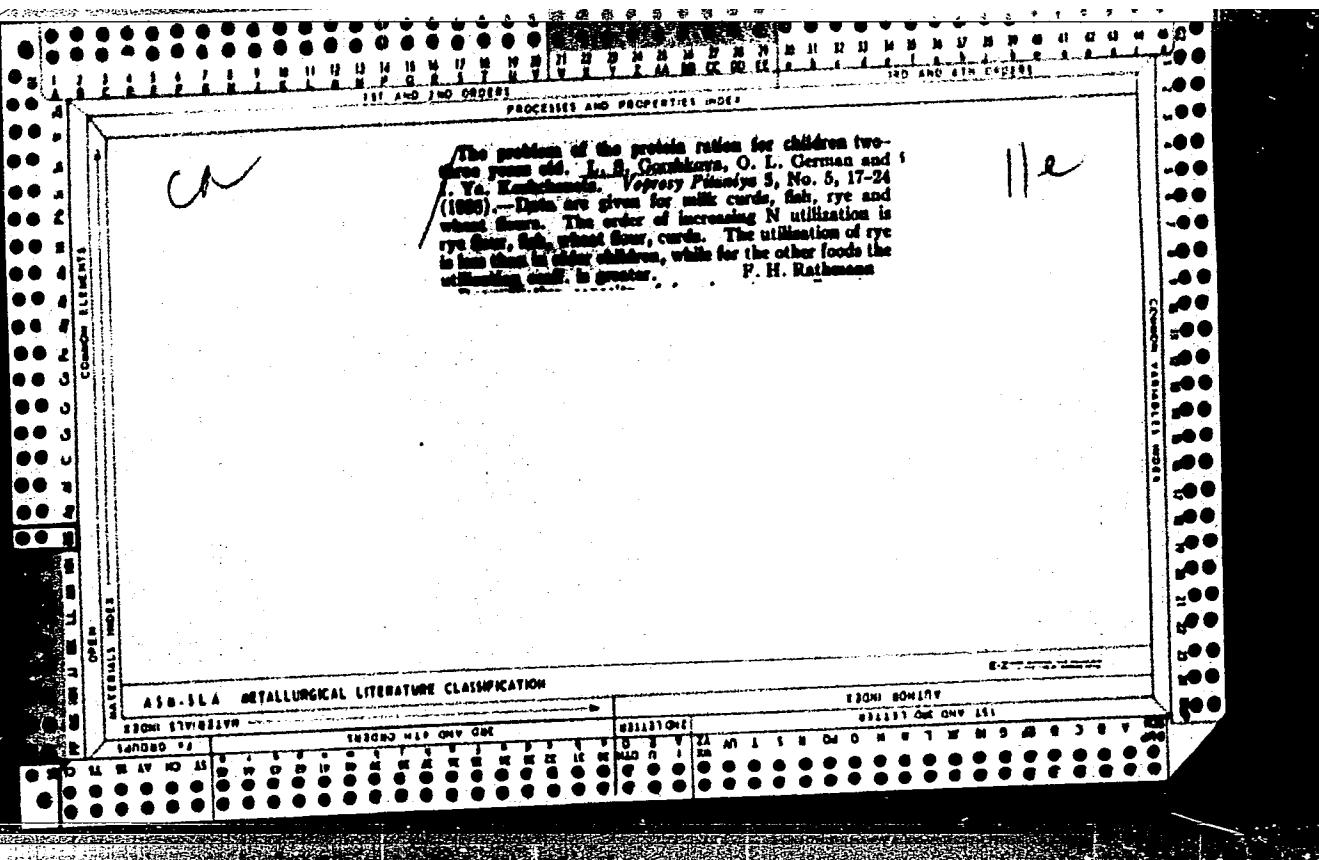
ZUSMAN, L.L.; BRODOV, A.A.; GORSHKOVA, L.E.; YURMANOV, F.N. [deceased]

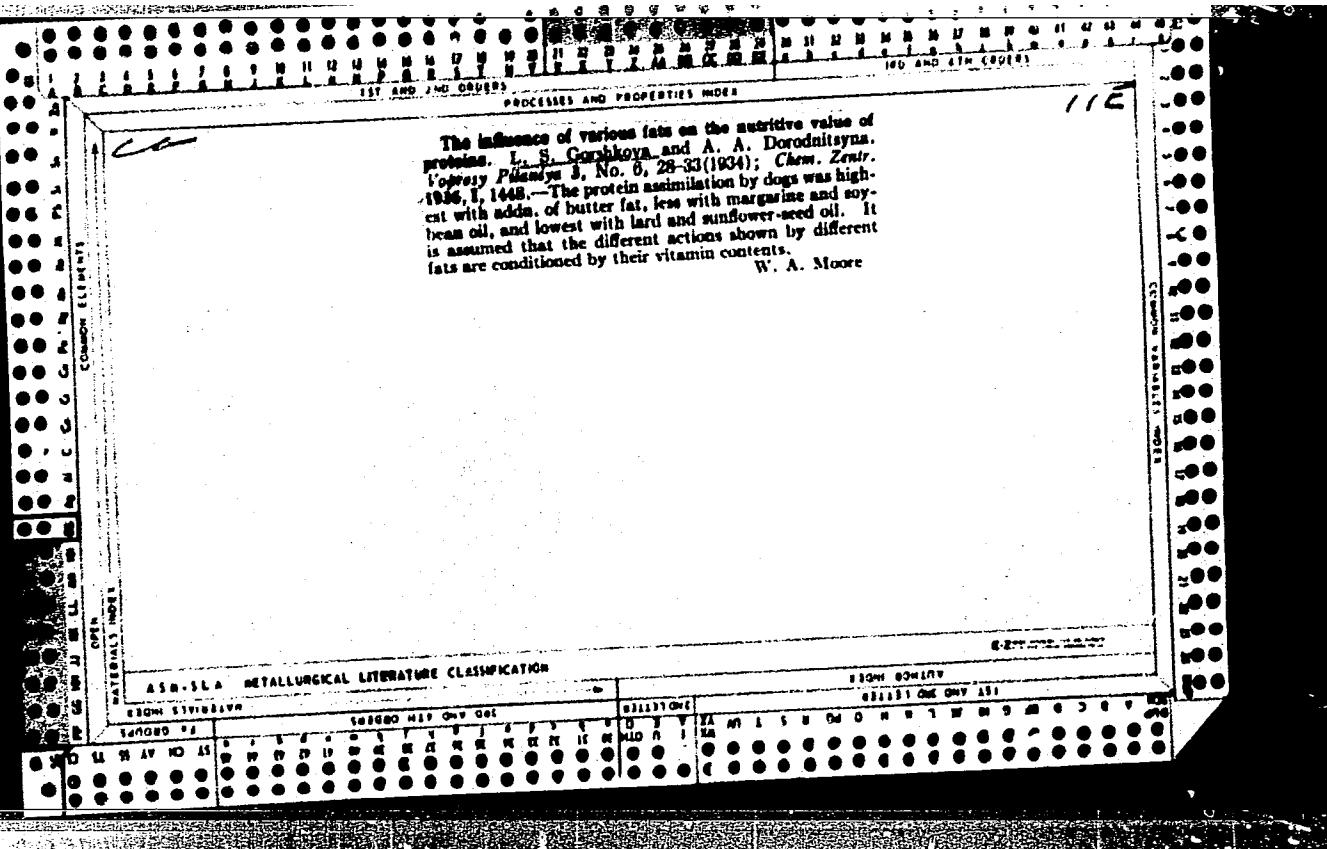
Economy of the production and consumption of low-manganese
cast iron. Stor. trud. TSNIICHM no.45:115-124 '65.
(MDRA 18:9)

TOLSTOPYATOVA, A.A.; YUY TSI-TSYUAN' [Yu Ch'i-ch'üan]; GORSHKOVA, L.S.

Catalytic properties of samarium oxide as applied in the
dehydrogenation and dehydration of alcohols and in the dehydrogenation
of tetralin. Izv.AN SSSR. Ser.khim. no.1:8-12 Ja '64.
(MIRA 17:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.





ZELYANSKAYA, A. I., BYKOV, I. Ye., and GORSHKOVA, L. S.

"The Separation of Selenium and Tellurium by a Cationite,:"

"Polarographic Determination of Tetravalent Selenium and Tellurium when Jointly Present."

"Effect of Heavy Metals on the Polarographic Waves of Selenium and Tellurium."

Collection of Studies in the Metallurgy of Heavy Non-Ferrous Metals, Sverdlovsk, 1957,
163p.

SOV/137-59-1-2171

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 285 (USSR)

AUTHORS: Zelyanskaya, A. I., Bykov, I. Ye., Gorshkova, L. S.

TITLE: On the Separation of Selenium and Tellurium by a Cationite
(K voprosu o razdelenii selena i tellura kationitom)

PERIODICAL: Tr. In-ta metallurgii, Ural'skiy fil. AN SSSR, 1957, Nr 1, pp 151-154

ABSTRACT: For a quantitative separation of Se from Te, as well as from Ce, Fe and Zn, pH 1.4 solutions are passed through the "espatig" [transliterated] KU-1 cationite. Te, Cu, Fe, Pb, and Zn are completely absorbed by the cationite. Te is then extracted with a solution of NH₄OH (1:2), and the cationite is washed with H₂O and 5% HCl to a neutral reaction. It is shown that Se can be quantitatively separated from Cu, Fe, and Zn. The presence of Pb lowers the results. Hydrochloric acid solutions and ammoniacal solution containing sodium versenate are suitable for separating Se and Te from Cu, Fe, and Zn. Se passes through into the filtrate in all cases.

V. P.

Card 1/1

SOV/137-58-11-23831

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 280 (USSR)

AUTHORS: Zelyanskaya, A. I., Bykov, I. Ye., Gorshkova, L. S.

TITLE: Effect of Heavy Metals on the Polarographic Waves of Selenium and Tellurium (Vliyanie tyazhelykh metallov na polyarograficheskiye volny selena i tellura)

PERIODICAL: Tr. In-ta metallurgii. Ural'skiy fil. AN SSSR, 1957, Nr 1, pp 161-169

ABSTRACT: The authors investigate the effect of some heavy metals on the polarographic waves of Se and Te in the $\text{NH}_3\text{NH}_4\text{Cl}$ solution. The Cu wave precedes the Te wave, and two separate waves appear on the polarogram, but when the ratio Cu:Te > 1 the Te wave is appreciably lowered and a preliminary separation of Cu is necessary. Zn, which is reduced at a more negative potential, does not affect the Te wave; however, at a Te:Zn > 1 ratio Te lowers the Zn wave. Pb adsorbs Te when it precipitates; when Na versenate B is added, Pb is reduced at a more negative potential than Te, whereas the addition of gelatine displaces the $E_{1/2}$ of Pb to -1.3 v. The presence of 0.05% gelatine completely suppresses the Pb wave, after which the determination

Card 1/2

SOV/137-58-11-23831

Effect of Heavy Metals on the Polarographic Waves of Selenium and Tellurium

of Te proceeds without impediments. The impeding effect of Fe is eliminated by the addition of 0.1 mole/liter of tartaric acid and 0.1% gelatin; in this case Fe is reduced at a more negative potential than Te and has no effect on the magnitude of its wave. Determination of Se is impeded by the presence of Cu, Pb, Cd, and Fe. When the molar concentration ratio Te:Se > 1 Te also impedes the determination. The effect of Zn, Ni, and Co²⁺ is eliminated by the addition of Na versenate B.

N. B.

Card 2/2

SOV/137-58-11-23830

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 280 (USSR)

AUTHORS: Zelyanskaya, A. I., Bykov, I. Ye., Gorshkova, L. S.

TITLE: Polarographic Determination of Quadrivalent Selenium and Tellurium When Both are Present (Polyarograficheskoye opredeleniye chetyrekhvalentnykh selena i tellura pri sovmestnom ikh prisutstvii)

PERIODICAL: Tr. In-ta metallurgii. Ural'skiy fil. AN SSSR, 1958, Nr 1, pp 155-160

ABSTRACT: It is established that for the joint polarographic determination of Se and Te a basic electrolyte containing (in mole/liter) $(\text{NH}_4\text{Cl}$ 0.75, NH_4OH 0.25, Na_2SO_3 0.1 is the most suitable. In order to eliminate the maxima, the polarographic analysis is performed in the presence of 0.002% gelatine: $E_{1/2}$ of Te = - 0.9 v and $E_{1/2}$ of Se = - 1.5 v (saturated control electrolyte). An increase in the concentration of gelatine causes a displacement of the Se wave in the negative sense, and its determination becomes impossible. Se can be determined polarographically at concentrations of 0.05-2 nmole/liter; the molar concentration of Te should not be higher than the Se concentration lest the Se wave be lowered. Nitrates and heavy metals should be absent. To

Card 1/2

SOV/137-58-11-23830

Polarographic Determination of Quadrivalent Selenium and Tellurium (cont.)

dissolve Se and Te the precipitate of elemental Se and Te is obtained by any method and to this, together with the filtrate, 5 cc of freshly prepared solution of 25 mg KClO₃ in HCl (1:1) are added. The mixture is stirred, heated slightly, and upon dissolution neutralized with NH₄OH to methyl orange. The solution together with the paper, is transferred into a 50-cc flask, basic electrolyte is added to the mark, and the mixture is analyzed polarographically. The method was verified on specimens of dust and cake. Two-gram samples were used for the analysis.

N. G.

Card 2/2

SOV/137-59-2-4837

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 2, p 353 (USSR)

AUTHORS: Bykov, I. Ye., Zelyanskaya, A. I., Gorshkova, L. S.

TITLE: Polarographic Determination of Tetravalent Selenium and Tellurium
(Polyarografiya chetyrekhvalentnykh selena i tellura)

PERIODICAL: Tr. In-ta metallurgii. Ural'skiy fil. AN SSSR, 1958, Nr 2, pp 275-
279

ABSTRACT: The authors examined the parameters of the polarographic determination of Se and Te. In acid solutions their reduction proceeds with formation of several waves, whereas in strong alkaline solutions the Se-wave disappears. Polarographic determination of Se and Te when both are present is carried out in an electrolyte of the following composition (in mole/liter): NH₄Cl 0.5, NH₄OH 0.5, Na₂SO₃ 0.1, gelatin 0.002%, at a pH ~9. With a concentration of gelatin > 0.01% the Se wave blends with the terminal ascending branch of the polarogram. In the presence of a number of heavy metals a decrease of the diffusion current of Se and Te is observed; moreover, the Se wave decreases in the presence of Te. However, in small amounts of the elements the dependence of the Se wave on Te is imperceptible. The authors developed a technique

Card 1/2

Polarographic Determination of Tetraivalent Selenium and Tellurium SOV/137-59-2-4837

for determination of Te in the presence of Fe (in a tartaric-acid solution), or Te in the presence of Pb, of Se in the presence of Zn (in an E.D.T.A. solution), and of Te in the presence of Cu (alcaline cyanide solution). In order to determine Se and Te in products of complex composition it is necessary to separate them from other elements first.

N. G.

Card 2/2

BYKOV, I.Ye.; GORSI DVA, L.S.

Reduction of quadrivalent tellurium on dropping mercury electrodes
in alkaline cyanide solutions. Izv. Sib. otd. AN SSSR no.4:62-66
'58.
(MIRA 11:9)

1.Ural'skiy filial AN SSSR.
(Reduction, Electrolytic) (Tellurium) (Polarography)

5(4) 18(6)

AUTHORS: Bykov, I. Ye., Gorshkova, L. S.

SOV/32-25-6-11/53

TITLE: Polarographic Determination of Tellurium in Copper Alloys
(Polyarograficheskoye opredeleniye tellura v mednykh splavakh)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 6, pp 674 - 676 (USSR)

ABSTRACT: The polarographic determination of tellurium in alkaline cyanide solutions may be disturbed by heavy metals reduced before Te. The influence exerted by elements (Cu, Zn, Sn, Sb, Ni, Co, Pb, Cd, Fe, Mn) occurring in copper alloys must be taken into account as well. In the case under review, pertinent investigations were carried out with a polarograph of the visual type (built in the workshop of the UFAN (Ural Branch of the AS USSR)) and an electrolyzer with an outer anode. The following was found: Zn up to 100 mg does not disturb the polarographing of Te. Only in the case of more than 50 mg Sn a slight increase in the diffusion current of Te is observed. Ni and Co disturb the tellurium determination only when in higher concentrations. Only in the case of a 20fold excess of Fe and Mn (with respect to Te) a diminution in the Te polarogram wave is observed. The disturbing influence of lead may

Card 1/2

Polarographic Determination of Tellurium in
Copper Alloys

SOV/32-25-6-11/53

be eliminated by a Trilon B addition. This holds only partly for cadmium, as the latter effects a maximum on the tellurium polarogram wave, which may not even be eliminated by an increase in the gelatin addition. Thus only cadmium disturbs the polarographic Te determination. An appropriate determination method was worked out on the standard samples Nr 66, 67, and 68 (Table) with different Te additions. The composition of the electrolyte applied was the following: 0.65 mol/l KGN, 0.25 mol/l NaOH, 0.2 mol/l Na_2SO_3 and 0.02% of gelatin. There are 3 figures, 1 table and 2 Soviet references.

ASSOCIATION: Institut metallurgii Ural'skogo filiala Akademii nauk SSSR
(Institute of Metallurgy of the Ural Branch of the Academy
of Sciences of the USSR)

Card 2/2

KORSHKOVA, L.S.

TABLE I. BOOK EXTRASCTION 807/4033

Akademiya Nauk SSSR. Ural'skiy filial. Institut metalloved.	124
Voprosy kontrolya i upravleniya spetsialnymi v metalloved. (Problems of Control and Guidance Utilization of New Materials in Metal-Processing). Izdatelstvo Nauk SSSR (Editor: Vses. Zvezdy), vyp. 5. Erevan. 1967. Sertifikat 10560. 139 p. Sov. 5. Erevan. 1,000 copies printed.	125
Berg, M. I., T. I. Bobrov, and V. P. Chernoborodkin. Candidates of Technical Sciences. M. or Philological Science; L. M. Basman. Tech. Ed.; L. A. Kondakov. and S. V. Sretenskiy.	126
PURPOSE: This collection of articles is intended for technical personnel of metallurgical plants and for members of scientific research institutions.	127
CONTENTS: The collection contains articles discussing a variety of problems pertaining to ferrous and nonferrous metallurgy. A number of articles describe new methods for investigating the properties of alloys and oxides and review changes which these properties undergo as a result of the effect of temperature and other factors. Findings of studies are summarized.	128
In some articles and reports, new methods for manufacturing ferroalloys and compositions are given and measures for the more efficient utilization of raw materials are indicated. Some of the articles are devoted to the study of problems of manufacturing ferrous, nonferrous, and rare metals. The selection of topics was made on the basis of the need for material relating to the improvement of the quality control of alloys and the manufacturing processes employed in production. No generalizations are mentioned. Such articles are accompanied by references, most of which are Soviet.	129
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AUTHORS: Starkov, L. N.; Kochnev, M. I.; Gorshkova, L. S.

TITLE: On the selective sulfation of cobalt while roasting "anode mass".

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1961, 19, abstract 70137
("Sb. nauchno-tekhn. tr. N.-i. in-t metallurgii Chelyab. sovnarkhoza"
1960, no. 2, 140-146)

TEXT: The optimal conditions for selective sulfation of Co while roasting sulfide alloys were investigated. An anode mass with composition (in percent): Ni 57.59, Co 9.96, Cu 0.96, Fe 4.85, S 23.12 was used. The selective sulfation of Co proceeds most effectively with an increase in temperature but not above the temperature of decomposition of the Co sulfate into a sulfide. As the coarseness of the roasted material varies from 0.18 - 0.25 mm to \leq 0.09 mm, this temperature varies correspondingly from 700° to 650°C for an alloy with Co : Fe ratio of 1 : 0.5. As the coarseness of the material decreases the results of selective sulfation of Co improve. In the presence of Fe and Cu in the alloy the conversion of Co into a sulfate increases on account of secondary sulfation. The most favorable ratio of Fe : Co in the original alloy is equal to 1 : 1. In that case

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On the selective sulfation ...

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the conversion of Ni into a sulfate is sharply reduced and the roasting temperature may be lowered to 600°C for material with a coarseness ≤ 0.09 mm.

N. Pleteneva

[Abstracter's note: Complete translation]

Card 2/2

TOLSTOPYATOVA, A.A.; YUY TSI-TSYUAN' [Yu Ch'i-ch'u'an]; GORSHKOVA, L.S.

Catalytic properties of praseodymium oxide in the reaction of
dehydrogenation and dehydration of alcohols and dehydrogenation
of tetralin. Kin. i kat. 6 no.3:466-470 My-Je '65.

(MIRA 18:10)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

ACC NR: AP6032860

SOURCE CODE: UR/0020/66/170/003/0589/0592

AUTHOR: Balandin, A. A. (Academician); Ferapontov, V. A.; Karpoyskaya, Ye. I.;
Gorshkova, L. S.

ORG: Institute of Organic Chemistry im. N. D. Zelinskiy, Academy of Sciences, SSSR
(Institut organicheskoy khimii Akademii nauk SSSR)

TITLE: Some characteristics of the identification and analysis of highly polar nitrogen- and oxygen-containing substances by gas-liquid chromatography

SOURCE: AN SSSR. Doklady, v. 170, no. 3, 1966, 589-592

TOPIC TAGS: chromatography, gas chromatography, amine

ABSTRACT: Continuing their study of the identification of certain strongly polar nitrogen- and oxygen-containing compounds in mixtures, the authors focused their attention on the reaction of catalytic synthesis of piperazine from monoethanolamine, in the course of which over 20 highly polar compounds having very different boiling points and reactivities are formed. A study of various liquid phases and solid carriers (60 columns) showed that these compounds are best separated on polyethylene glycol (PEG-2600 or 2000) deposited (in amounts of 1-0.5%) on NaCl treated with KOH (0.5%). A complete analysis of the mixture on a column with 1% PEG-2600 and 0.5% KOH requires a separation at three temperatures, 63, 102 and 173°C. The effect of the amount of KOH and PEG on the separation was determined. The size and shape of NaCl

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ACC NR: AP6032860

particles were also found to be important factors. The observed relationship between the retention volume and the structure for compounds having certain structural features in common can be utilized for a standard-free identification of these compounds. The results make it possible to determine the composition of the reaction mixture formed during the catalytic synthesis of piperazine from monoethanolamine, control the process quantitatively in time, and draw certain conclusions about the role of each component of the mixture in this process. Orig. art. has: 2 figures and 1 table.

SUB CODE: 07/ SUBM DATE: 24Mar66/ ORIG REF: 006/ OTH REF: 003

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